

QGD

Function And Feature

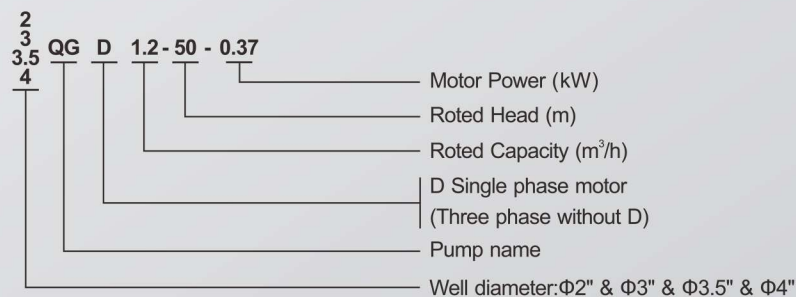
· QG series of sandproof small size submersible screw pump is mainly consisted of submersible motor, single screw pump and seal, single phase or three phase asynchronous motor is dry type or oil-filling type construction. The motor is positioned under the pump and submerged in water, so the heat dissipation effect is very good. The single screw pump is consisted of a single helix resilience rubber stator and creates a continuously forming cavity as it rotates. This cavity which carrying pumped liquid from inlet progresses towards the discharge end. The motor adopts "O" sealing ring and double end face mechanical seal. Function of seal is reliable and long working life.

Pump

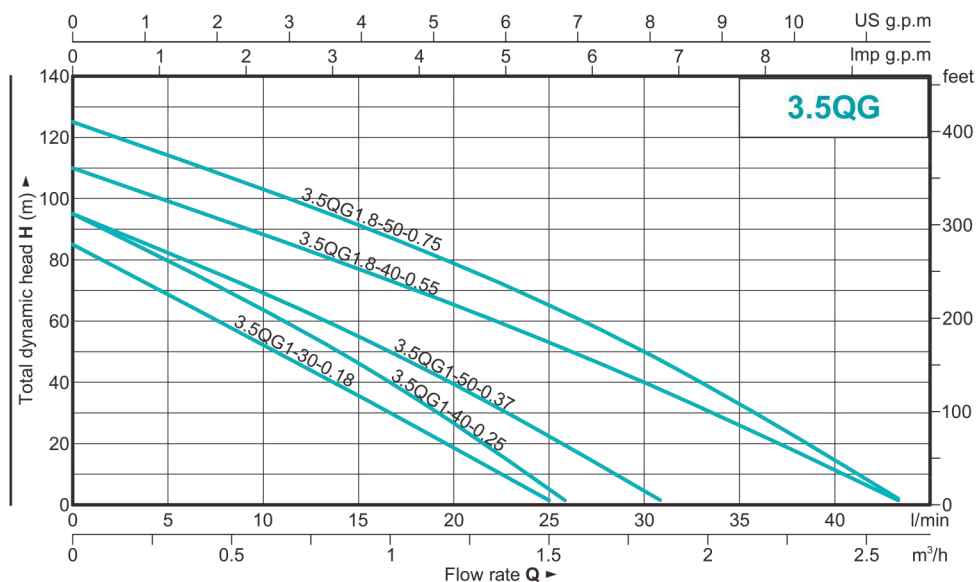
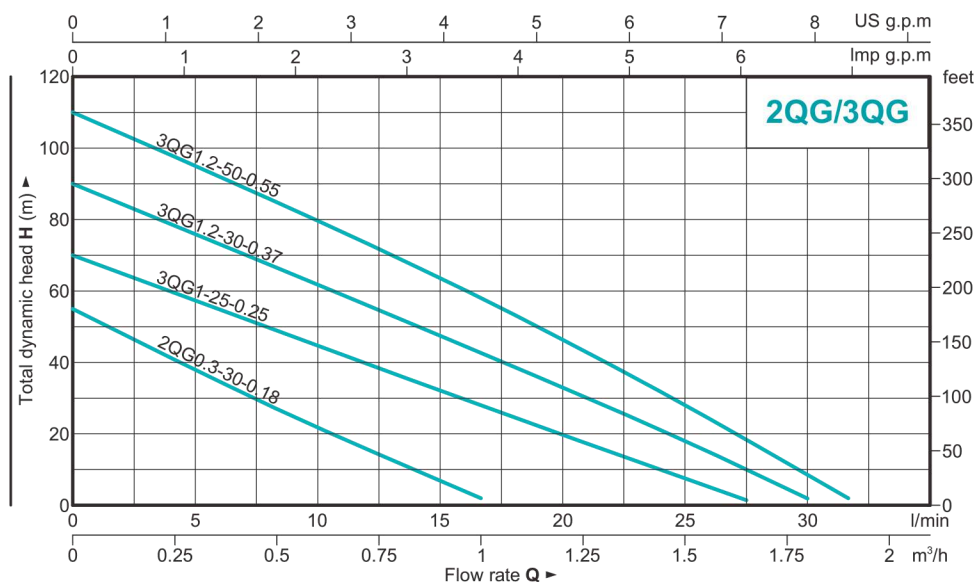
- Capacity from 0.3 to 2 (m³/h)
- Total head from 100 to 25(m)

Motor

- Continuous service
- Power: 0.18~0.75kW
- Insulation class: B
- Protection grade: IP 68
- Minimum well diameter: Φ2" & Φ3" & Φ3.5" & Φ4"
- Highest temperature of liquid: 35℃



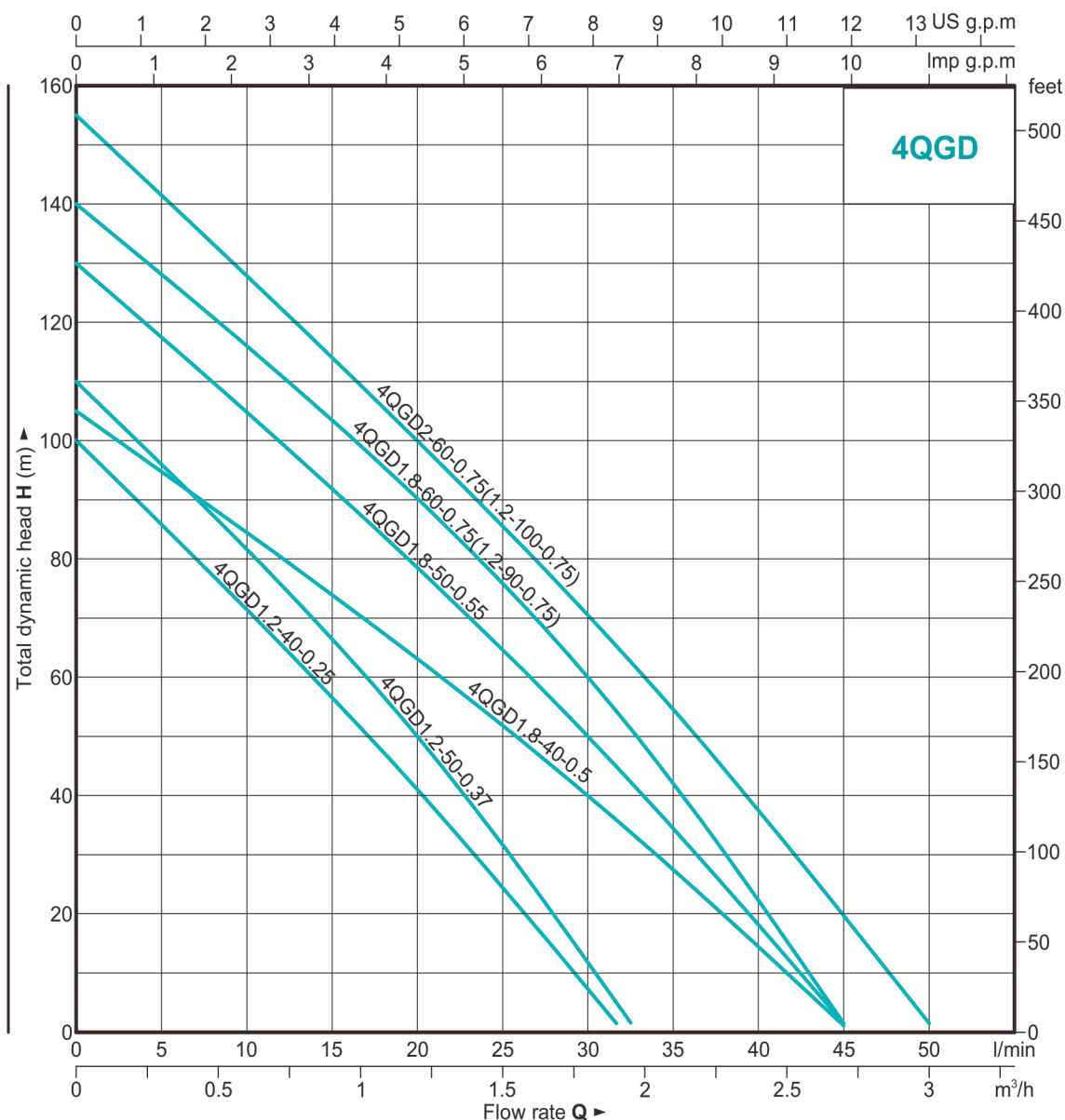
2QG/3QG/3.5QG



PERFORMANCE DATA 50Hz

rpm≈2850 1/min

MODEL	P ₂		Max.Flow		Max.Head	Voltage	Max.Dia	Outlet	Length
	kW	HP	l/min	m ³ /h	(m)		(mm)	(Inch)	(mm)
2QGD0.3-30-0.18	0.18	0.25	17	1	55	220	52	½	633
3QGD1-25-0.25	0.25	0.33	28	1.7	70		76	1	577
3QGD1.2-30-0.37	0.37	0.5	30	1.8	90			1	607
3QGD1.2-50-0.55	0.55	0.75	32	1.9	110			1	647
3.5QGD1-30-0.18	0.18	0.25	25	1.5	85		90	1	512
3.5QGD1-40-0.25	0.25	0.33	25	1.5	95			1	522
3.5QGD1-50-0.37	0.37	0.5	30	1.8	95			1	532
3.5QGD1.8-40-0.55	0.55	0.75	43	2.6	110			1	571
3.5QGD1.8-50-0.75	0.75	1	43	2.6	125			1	596

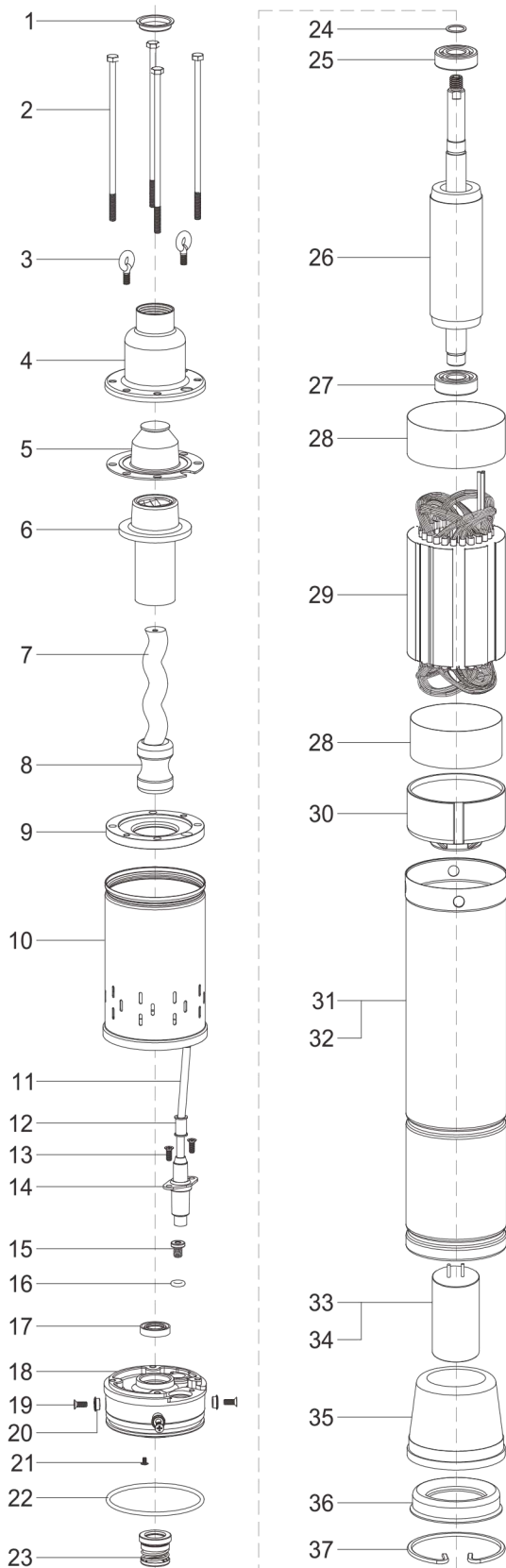


PERFORMANCE DATA 50Hz

rpm≈2850 1/min

MODEL	P ₂		Max.Flow		Max.Head	Voltage	Max.Dia	Outlet	Length
	kW	HP	l/min	m³/h	(m)	(V)	(mm)	(Inch)	(mm)
4QGD1.2-40-0.25	0.25	0.33	32	1.9	100	220	96(102)	1	515(523)
4QGD1.2-50-0.37	0.37	0.5	32	1.9	110			1	525(533)
4QGD1.8-40-0.5	0.5	0.7	45	2.7	105			1	539(547)
4QGD1.8-50-0.55	0.55	0.75	45	2.7	130			1	568(576)
4QGD1.8-60-0.75	0.75	1	45	2.7	140			1	583
4QGD1.2-90-0.75	0.75	1	45	2.7	140			1	583
4QGD2-60-0.75	0.75	1	48	2.9	155			1	608
4QGD1.2-100-0.75	0.75	1	48	2.9	155			1	608

QGD Breakdown diagram



1	Pump Cover
2	Bolt
3	Pull ring
4	Outlet
5	Sand proof sleeve
6	Screw sleeve
7	Screw
8	Coupling
9	Fixed splint
10	Inlet section
11	Cable
12	Cable sheath
13	Screw
14	Cable clamp
15	Grease screw
16	"O"-ring
17	Framework oil seal
18	Oil chamber
19	Screw
20	Locking ring
21	Screw
22	"O"Ring
23	Mechanical seal
24	Gasket
25	Bearing
26	Rotor
27	Bearing
28	Insulation paper
29	Stator
30	Down bearing seat
31	Motor pipe
32	Oil
33	Capacitor
34	wiring cap
35	Rubber cup
36	End cover
37	Clamping spring